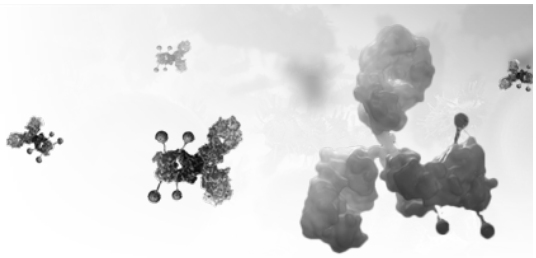

Anti-GRM8 (aa 486-575) polyclonal antibody (DPAB-DC1476)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Immunogen	GRM8 (NP_000836, 486 a.a. ~ 575 a.a) partial recombinant protein with GST tag. The sequence is KVIGHWTNQLHLKVEDMQWAHREHTHPASVCSLPCKPGERKKTVKGVPCCWHCERCEGYN YQVDELSCELCPLDQRPNMNRTGCQLIPII
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GRM8 glutamate receptor, metabotropic 8 [Homo sapiens (human)]
Official Symbol	GRM8
Synonyms	GRM8; glutamate receptor, metabotropic 8; GLUR8; mGlu8; GPRC1H; MGLUR8; metabotropic glutamate receptor 8;
Entrez Gene ID	2918
Protein Refseq	NP_000836
UniProt ID	O00222
Chromosome Location	7q31.3-q32.1
Pathway	Class C/3 (Metabotropic glutamate/pheromone receptors); GPCR downstream signaling; GPCRs, Class C Metabotropic glutamate, pheromone; Glutamatergic synapse
Function	G-protein coupled receptor activity; glutamate receptor activity; group III metabotropic glutamate receptor activity;

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